

Patent Abstracts of Japan

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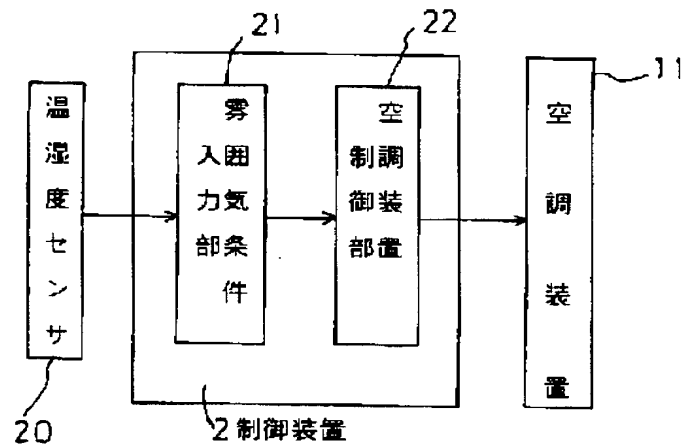
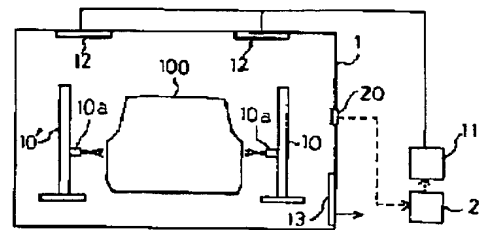
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TITLE : METHOD FOR DRAWING BY INK JET SYSTEM



ABSTRACT : PROBLEM TO BE SOLVED: To prevent an ink from sagging by air-conditioning the atmosphere around the surface of at least a region for drawing of an article to be drawn and controlling thereby relative humidity to less than a specified %.

SOLUTION: A signal from a temp. and humidity sensor 20 is inputted into an atmospheric condition inputting part 21. In the atmospheric condition inputting part 21, relative humidity in an actual coating booth 1 is obtd. from the signal. Then, in an air-conditioning apparatus controlling part 22, the actual relative humidity is compared with a reference relative humidity 65% and when the actual relative humidity is less than 65%, no action is performed. However, when the actual relative humidity is at least 65%, the air-conditioning apparatus controlling part 22 controls an air-conditioner 11 to decrease absolute humidity in the coating booth 1. As the relative humidity in the coating booth 1 decreased to less than 65%, satd. vapor pressure on the surface of the ink applied on a car body 100 becomes sufficiently higher than the atmospheric satd. vapor pressure and water evaporates smoothly to prevent the ink from sagging.

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